day, 13/11/2008 1:06:29 PM **Process Sheet** : CU-DAR001 Dart Helicopters Services **Drawing Name** : STEM number : 43422 **Estimate Number** : 10857 P.O. Number Part Number : D34073 This Issue : 13/11/2008 : D3407 REV E S.O. No. : **Drawing Number** Prsht Rev. : NC : N/A Project Number First Issue : 11 : MACHINED PARTS ; E Type **Drawing Revision** Previous Run : 43021 Material : 05/12/2008 **Due Date** 40 Um: Each Written By Checked & Approved By Comment Est Rev:B Now on Doosan 08-05-14 JLM Verified By:DD Est Rev:C 08-08-12 revE as per dwg (ecn 08-507) DD verified by:EC **Additional Product** Job Number: Seq. #: Machine Or Operation: Description: 1.0 M174R0750 17-4 round bar .750 M105710?? Comment: Qty.: 0.3843 f(s)/Unit Total: 15.3720 f(s) Material: 17-4ph SS Round Bar Ø0.750(M17-4-R0.750) Identify for D3407-3 2.0 DOOSAN LATHE Comment: DOOSAN CNC LATHE 1-Turn as per Folio FA597 Rev. A & Dwg D3407 Rev. 2-Deburr QC2 3.0 THEY COME OFF MACHINE Comment: INSPECT PARTS AS THEY COME OFF MACHINE 4.0 QC8 SECOND CHECK Comment: SECOND CHECK 5.0 PACKAGING 1 PACKAGING RESOURCE # Comment: PACKAGING RESOURCE #1 Identify and Stock CARL Location:

W/O:		WORK ORDER CHANGES									
DATE	STEP	PROCEDURE CHANGE			В	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
				e 8							
				3							
			21	=*			l l	A	Bu te		
							=)=		i i		
							2.4		Carrell No. 1		

Part No: D3407-33
PAR #: NA Fault Category: Prod. Machinel Polis NCR: Yes No DQA: Date: 08/10/12
Resolution: SCAP Disposition: SCAP QA: N/C Closed: Date: 08/10/12

NCR:4	3422	W	ORK OR	DER NON-CONFORMANCI	E (NCR)			
		Description of NC		Corrective Action Section B		Verification Section C	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date		Chief Eng	QC Inspector
5/12/08	20	I part too short on dingers ons 4.825, .150 and .650 R.C. Incurred bol offset. operator error.	Tasimz	scripp and betry and before others	5/12/08	5	LUSIONZ	8/2/8
58/13/08	2,0	accidentely randop. R.C. Operator Envir	Pasien	and Replace at all	08/1/00	5	A design 2	8/12/18
		R.C. Operator Error.	Pasient	B# M101478	,700	08/2/10	desimz	

NOTE: Date & initial all entries

Thursday, 13/11/2008 1:06:29 PM User: Julie Dawson

Process Sheet

Drawing Name: STEM Customer: CU-DAR001 Dart Helicopters Services

Job Number: 43422

Part Number: D34073

Job Number:

Seq. #:

Machine Or Operation:

Description:

6.0

QC21

FINAL INSPECTION/W/O RELEASE



08/12/40 gg

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



Dart Aerospace Ltd

W/O:			WORK ORDER	CHANGES		150			
DATE	STEP	PR	OCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No		PAR #:	Fault Category:	NCR	: Yes	No DQ	A: 🚽	Date:	
	Resolution	on:	Disposition:	QA:	N/C C	losed:	- 61	Date:	

NCR:		W W	ORK ORDE	R NON-CONFORMAN	CE (NCR)			
		Description of NC	Corrective Action Section B			Varification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspecto
							3	
						AD-		
							2	
							Y	
		Value of the second						

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	3427
Description: Stem	Part Number:	D3407-3
Inspection Dwg: D3407 Rev: E		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

	arms to the man to	
X	First Article	Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
0.063	+/-0.010	.003	/			
1/4-28 UNF	Max: 0.2668 Min: 0.2635	-265	/	Fairly F	10.	
Major Ø	Max: 0.249 Min: 0.2425	.246	/			
Ø0.625	+/-0.010	0.626	1	1 6		
Ø0.363	+/-0.010	0.360	/		182	
Ø0.750	+/-0.010	0.750	/		Vigin -	general de la companya de la company
R0.100	+/-0.010	R 100	1	1.5	1 4-5	ATT TO SERVICE
0.470	+/-0.010	471	/	74	The state of	
0.250	+/-0.010	250	1	10,6		
2.555	+/-0.010	2.335	/		. III	
3.305	+0.000/-0.010	3.304	/		4 1	
4.325	+/-0.010	4.326	/		F. W.	
0.150	+/-0.010	.151	1		y V	
0.550	+/-0.010	.550	/			
0.625	+/-0.010	.626	1	Non-Indigit	le e	
0.250	+0.010/-0.000	.255	1			
		3		1.6 72	K K	
	10 E		4.4		74	
				1		
				1		
NEW PROPERTY.				91	u u	

Measured by:	Audited by:	Prototype Approval:	N/A
Date: 58/12/06	Date: 8-12	O Date:	N/A

Rev	Date	Change	Revised by	Approved
Α	06.11.08	New Issue	KJ/JLM	
В	07.09.26	Tolerances revised	KJ/EC	
C	08.05.14	Dimensions updated per Dwg Rev D	KJ/JLM 1/A	
D	08.10.07	Dimensions updated per Dwg Rev E	KJ/DD	12/

E QTY -041 QTY -043 QTY PART NUMBER DESCRIPTION -045 D3407-041 **TOW RING** D3407-043 **TOW RING** D3407-045 **TOW RING** D3407-1 STEM D3407-3 STEM D3407-5 RING D3407-7 STEM -D3407-5 RING -D3407-5 RING D3407-5 RING C 8 -D3407-1 STEM 6 -D3407-3 STEM D3407-7 STEM HUTTOR D3407-041 TOW RING D3407-043 TOW RING D3407-045 TOW RING ADD D3407-045 (ZN B2-1, D8-1); ADD D3407-7 (ZN B6-5); REVISED NOTE 5 TO ADD IDENTIFICATION (ZN A5-1); REASON: PRODUCTION FACILITY 08.07.23 D3407-1/-3 SLOT WAS ROUND NOW FLAT FOR ASSEMBLY WITH D3407-5 (ZN C2-2, C2-3); D3407-5 WAS ROUND NOW FLAT ON ONE END FOR ASSEMBLY WITH D3407-1/-3 (ZN B6-4); REASON: PRODUCTION FACILITY PH 08.04.07 -1/-3 LONGER FOR FIT W/WASHER 05.09.09 UPDATE DIAMETER, THREAD CLASS ADDED CP В 05.06.17 A **NEW ISSUE** 05.03.16 REV. DESCRIPTION DATE DESIGN DART AEROSPACE USA, INC. DRAWN PORT HADLOCK, WA 2) FINISH: POWDER COAT WHITE (4.3.5.2) PER DART QSI 005 4.3 (EXCEPT THREADS) 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED CHECKED DRAWING NO. REV. E D3407 MFG. APPR SHEET 1 OF 5 4) UNITS: INCHES UNLESS OTHERWISE NOTED TITLE 5) BREAK SHARP EDGES: N/A **APPROVED** SCALE 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3407-XXX" USING BLACK FINE POINT PERMANENT INK MARKER (E) WEIGHT: D3407-041 - 0.60 lbs, D3407-043 - 0.53 lbs, D3407-045 - 0.61 lbs TOW RING DE APPR. COPYRIGHT @ 2005 BY DART AEROSPACE USA, INC. DATE

8) WELD PER DART QSI 004 ON ALL EDGES BETWEEN STEM AND RING

08.07.23

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